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Substitute for form 1449/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				NOV 20 2004	
(use as many sheets as necessary)					
Sheet	1	of	7	Application Number	10/771,833
				Filing Date	02/03/2004
				First Named Inventor	Dean R. Artis
				By Unit	1656
				Examiner Name	Kim, Alexander D.
				Attorney Docket Number	039363-1106

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A1	2001/0008765		07-19-2001	Shinoki et al.	
A2	2001/0012537		08-09-2001	Anderson et al.	
A3	2001/0014448		08-16-2001	Chappa et al.	
A4	2001/0014449		08-16-2001	Nerenberg et al.	
A5	2001/0016322		08-23-2001	Caren et al.	
A6	2001/0018642		08-30-2001	Balaban et al.	
A7	2001/0019827		09-06-2001	Dawson et al.	
A8	2001/0039271		11-08-2001	Bunnage et al.	
A9	2002/0009764		01-24-2002	Thompson et al.	
A10	2002/0058606		05-16-2002	Gonzalez et al.	
A11	2002/0065286		05-30-2002	Davies et al.	
A12	2002/0091129		07-11-2002	Booleli	
A13	2002/0128171		09-12-2002	Watkins et al.	
A14	2002/0165237		11-07-2002	Fryburg et al.	
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A26	6288234		09-11-2001	Griffin	
A27	6297021		10-02-2001	Nienaber et al.	
A28	6465494		10-15-2002	Earle et al.	
A29	6479493		11-12-2002	Whitehead et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

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				Art Unit	1656
				Examiner Name	Kim, Alexander D.
				Attorney Docket Number	039363-1106

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	A30	WO 99/63931	12-16-1999	The Salk Institute for Biological Studies		

NON PATENT LITERATURE DOCUMENTS							
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	A31	ASHANI and Wilson, A covalent affinity column for the purification of acetylcholinesterase. Biochem. Biophys. Acta, 276:317-322, 1972.					
	A32	BASHFORD et al., (1987) <u>Spectrophotometry and Spectrofluorometry: A Practical Approach</u> , pp. 91-114, IRL Press Ltd					
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	A34	BOLGER, "Molecular Biology of the Cyclic AMP-Specific Cyclic Nucleotide Phosphodiesterases: A Diverse Family of Regulatory Enzymes," <u>Cellular Signaling</u> 6(8):851-859 (1994)					
	A35	BOS et al., The 500 Dalton rule for the skin penetration of chemical compounds and drugs. <u>Experimental Dermatology</u> , 9:165-169, 2000.					

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NON PATENT LITERATURE DOCUMENTS

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	A36	BURGERS <i>et al.</i> , "Stereochemistry of hydrolysis of adenosine 3':5'-cyclic phosphorothioate by the cyclic phosphodiesterase from beef heart." <i>The Journal of Biological Chemistry</i> , 254 (20): 9959-9961 (1979)	
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	A44	GILLILAND et al., Crystallization of biological macromolecules for X-ray diffraction studies. Current Opinion in Structural Biology, 6:595-603 (1996).	
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	A48	KLEINBERG and Wanke, New approaches and technologies in drug design and discovery. Am. J. Health-Syst Pharm., 52: 1323-1336, 1995.	
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	A52	MICHAELI, <i>et al.</i> , "Isolation and Characterization of a Previously Undetected Human cAMP Phosphodiesterase by Complementation of cAMP Phosphodiesterase-deficient <i>Saccharomyces cerevisiae</i> ," <i>Journ. of Biol. Chem.</i> 268:12925-12932 (1993)		
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	A55	ROSENBERRY <i>et al.</i> , Purification of acetylcholinesterase by affinity chromatography and determination of active site stoichiometry. <i>The Journal of Biological Chemistry</i> , 247 (5): 1555-15565, 1972.		
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	A58	SODERLING, <i>et al.</i> , "Identification and Characterization of a Novel Family of Cyclic Nucleotide Phosphodiesterases," <i>Journ. Biol. Chem.</i> 273(25):15553-15558 (1998)		

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	A59	SONNENBURG, <i>et al.</i> , "Identification of Inhibitory and Calmodulin-binding Domains of the PDE1A1 and PDE1A2 Calmodulin-stimulated Cyclic Nucleotide Phosphodiesterases," <i>Journ. of Biol. Chem.</i> 270:30989-31000 (1995)			
	A60	THOMPSON, <i>et al.</i> , "Regulatory Mechanisms of Particulate Cyclic Nucleotide Phosphodiesterases," <i>Adv. In Sec. Mess. and Phosph. Res.</i> 25:165-184 (1992)			
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	A62	WIENCEK, New strategies for protein crystallization growth. <i>Ann.Rev.Biomed.Eng.</i> , 1:505-534, (1999).			
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	A64	WUTHRICH, NMR-This other method for protein and nucleic acid structure determination. <i>Acta Cryst.</i> , D51: 249-270, 1995.			
	A65	YAMAZAKI, <i>et al.</i> , "Cyclic GMP-specific, High Affinity, Noncatalytic Binding Sites on Light-activated Phosphodiesterase," <i>Journ. of Biol. Chem.</i> 255(23):11619-11624 (1980)			
	A66	YANG ET AL., Peptide analogs from E-cadherin with different calcium-binding affinities. <i>Journal of Peptide Research</i> , 55:203-215, 2000.			

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039363-1106

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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AK	A1	DYM et al., Molecular docking of competitive phosphodiesterase inhibitors, Molecular Pharmacology, 61:20-25, 2002	
	A2	HADDAD et al., Immunopharmacological potential of selective phosphodiesterase inhibition. I. Differential regulation of lipopolysaccharide-mediated proinflammatory cytokine (Interleukin-6 and tumor necrosis factor- α) Biosynthesis in alveolar epithelial cells, The Journal of Pharmacology and Experimental Therapeutics, 300:559-566, 2002	
	A3	HUAI et al., Three-dimensional structures of PDE4D in complex with rolipram and implication on inhibitor selectivity, Structure, 11:865-873, 2003	
	A4	MANNING et al., Suppression of human inflammatory cell function by subtype-selective PDE4 inhibitors correlates with inhibition of PDE4A and PDE4B, British Journal of Pharmacology, 128:1393-1398, 1999	

Examiner Signature		Date Considered	2/8/2007
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/771,833
				Filing Date	2/3/2004
				First Named Inventor	Dean R. Artis
				Group Art Unit	1656
				Examiner Name	Kim, Alexander D.
Sheet	2	of	2	Attorney Docket Number	039363-1106

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AK	A5	TEJADA et al., The phosphodiesterase inhibitory selectivity and the <i>in vitro</i> and <i>in vivo</i> potency of the new PDE5 inhibitor vardenafil, International Journal of Impotence Research, 13:282-290, 2001			

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